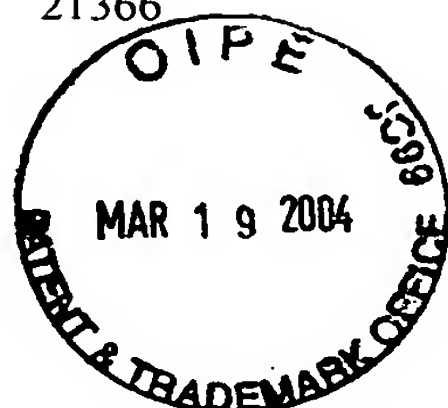


21366



## SEQUENCE LISTING

<110> Emini, Emilio A.  
Shiver, John W.  
Bett, Andrew J.  
Casimiro, Danilo R.  
Chastain, Michael  
Kaslow, David C.  
Morsy, Manal

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<210> 2

<211> 49

<212> DNA

<213> Artificial Sequence

<220>

<223> short synthetic polyA signal

<400> 2

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<210> 3

<211> 1521

<212> DNA

<213> Artificial Sequence

<220>

<223> optimized human HIV-1 gag open reading frame

<400> 3

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<210> 4

<211> 2550

<212> DNA

<213> Artificial Sequence

<220>

<223> gag expression cassette

<400> 4

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<210> 5

<211> 2662

<212> DNA

<213> Artificial Sequence

<220>

<223> SEAP expression cassette

<400> 5

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<210> 6

<211> 35101

<212> DNA

<213> adenovirus serotype 17

<220>

<223> n = a, t, c or g

<400> 6

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| aatgaagatc  | tattaagtga  | acgcgctccc  | ctccggtggc  | gtggtcaaac  | tctacagcca  | 34260 |
| aagaacagat  | aatggcattt  | gtaagatggt  | gcacaatggc  | ttccaaaagg  | caaactgccc  | 34320 |
| tcacgtccaa  | gtggacgtaa  | aggctaaacc  | cttcagggtg  | aatctcctct  | ataaacattc  | 34380 |
| cagcaccttc  | aacctatgcc  | aaataatttt  | catctcgcca  | ccttatcaat  | atgtctctaa  | 34440 |
| gcaaataccc  | aatattaagt  | ccggccattg  | taaaaatctg  | ctccagagcg  | ccctccacct  | 34500 |
| tcagcctcaa  | gcagcgaatc  | atgattgcaa  | aaattcagg   | tcctcacaga  | cctgtataag  | 34560 |
| attcaaaaagc | ggaacattaa  | caaaaatacc  | gcgatcccgt  | aggtcccttc  | gcagggccag  | 34620 |
| ctgaacataa  | tcgtgcagg   | ctgcacggac  | cagcgcggcc  | acttccccgc  | caggaacct   | 34680 |
| gacaaaagaa  | cccacactga  | ttatgacacg  | catactcgga  | gctatgctaa  | ccagcgtagc  | 34740 |
| cccgatgtaa  | gcttggtgca  | tgggcggcga  | tataaaatgc  | aagggtactgc | tcaaaaaatc  | 34800 |
| aggcaaagcc  | tcgcgcaaaa  | aagcaagcac  | atcgtagtca  | tgctcatgca  | gataaaggca  | 34860 |
| ggtaagtctc  | ggaaccacca  | cagaaaaaga  | caccattttt  | ctctcaaaca  | tgtctgcggg  | 34920 |
| ttcctgcata  | aacacaaaat  | aaaataacaa  | aaaaaaaaaa  | acatttaaac  | attagaagcc  | 34980 |
| tgtnttacia  | caggaaaaac  | aacccttata  | agcataagac  | ggactacggc  | catgccggcg  | 35040 |
| tgaccgtaaa  | aaaactgggtc | accgtgatta  | aaaagcacca  | ccgacagttc  | ctcgggtcatg | 35100 |
| tccggagtca  | taatgtaaga  | ctcggtaaac  | acatcagggt  | ggttaacatc  | ggtcagtgct  | 35160 |
| aaaaagcgac  | cgaaatagcc  | cggggggaata | catacccgca  | ggcgtagaga  | caacattaca  | 35220 |
| gcccccatag  | gaggtataac  | aaaattaata  | ggagagaaaa  | acacataaac  | acctgaaaaa  | 35280 |
| ccctcctgcc  | taggcaaaat  | agcaccctcc  | cgctccagaa  | caacatacag  | cgcttccaca  | 35340 |
| gcggcagcca  | taacagtcag  | ccttaccagt  | aaaaaaacct  | attaaaaaac  | accactcgac  | 35400 |
| acggcaccag  | ctcaatcagt  | cacagtgtaa  | aaagggccaa  | gtacagagcg  | agtatatata  | 35460 |
| ggactaaaaa  | atgacgtaac  | ggttaaagtc  | cacaaaaacc  | accagaaaaa  | ccgcacgcga  | 35520 |

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acctacgccc agaaacgaaa gccaaaaaac ccacaacttc ctcaaattct cacttccggt 35580
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tactccgccc taaaacctac gtcacccgcc ccgttccac gccccgcgcc acgtcacaaa 35700
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<211> 19
<212> DNA
<213> Artificial Sequence

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<220>
<223> oligonucleotide

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<400> 10
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<210> 11
<211> 20
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```

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<220>
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```

```

<400> 11
ctagatctat acatctcgag 20

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```

<210> 12
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<212> DNA
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```

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<220>
<223> PCR primer

```

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<400> 12
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<210> 13
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<220>
<223> PCR primer

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<400> 13
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<210> 14
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<213> Artificial Sequence

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<220>

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<223> PCR primer

<400> 14

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26

<210> 15

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<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 15

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25